

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) An automated identification methodology for identification of table of content links in a given hyperdocument for assembling a document representation by gathering the content of hyperlinked pages pointed to by the identified table of contents comprising:
 - searching page data to create a list of links in the given hyperdocument;
 - analyzing each link in conjunction with each other link in the list of links to identify link pairings;
 - assembling link pairings in order to form clusters of links;
 - examining the links in the cluster of links for locality;
 - weeding out the links which have properties that are not characteristic of intra-document links, to provide a resultant table of content set of identified candidate document pages; and,
 - grouping the content found in the resultant table of content set of candidate document pages into a document representation stored in memory for subsequent viewing or printing by a user of the given hyperdocument.
2. (Original) The method of claim 1 wherein the step for analyzing each link further comprises determining a score for each link pairing.
3. (Original) The method of claim 2 wherein the scoring is determined by a proximity criteria.
4. (Original) The method of claim 2 wherein the scoring is determined by a similarity criteria.
5. (Original) The method of claim 2 wherein the scoring is determined by a regularity criteria.

6. (Currently Amended) A system identification methodology for assembling a document representation for subsequent viewing or printing of a given hyperlinked hyperdocument by gathering related hyperlinked page content comprising:

- performing a page-level link analysis that identifies those hyperlinks on a page linking to a candidate document page further comprising a methodology of:

- analyzing each link in conjunction with each other link to identify link pairings;

- assembling link pairings in order to form clusters of links; and,
 - examining the links in the cluster of links for locality;

- performing a recursive application of the page-level link analysis to the linked candidate document page and any further nested candidate document pages thereby identified, until a collective table of content set of identified candidate document pages is assembled;

- performing a document-level analysis that examines the collective table of content set of identified candidate document pages for grouping into one or more documents;

- examining the collective table of content set of identified candidate document pages to weed out links which have properties that are not characteristic of intra-document links, to provide a resultant set of identified candidate document pages; and,

- grouping the content found in the resultant set of candidate document pages into a document representation stored in memory for subsequent viewing or printing by a user of the given hyperlinked hyperdocument.

7. (Original) The method of claim 6 wherein the step for analyzing each link further comprises determining a score for each link pairing.

8. (Original) The method of claim 7 wherein the scoring is determined by a proximity criteria.

9. (Original) The method of claim 7 wherein the scoring is determined by a similarity criteria.

10. (Original) The method of claim 7 wherein the scoring is determined by a regularity criteria.

11. (Currently Amended) A system identification methodology for assembling a document representation for subsequent viewing or printing of a given hyperlinked hyperdocument by gathering related hyperlinked page content comprising:

- performing a page-level link analysis that identifies those hyperlinks on a page linking to a candidate document page further comprising a methodology of:

- searching page data to create a list of links in the hyperdocument;
 - analyzing each link in conjunction with each other link in the list of links to identify link pairings;
 - assembling link pairings in order to form clusters of links; and,
 - examining the links in the cluster of links for locality;

- performing a recursive application of the page-level link analysis to the linked candidate document page and any further nested candidate document pages thereby identified, until a collective table of content set of identified candidate document pages is assembled; and,

- performing a document-level analysis that examines the collective table of content set of identified candidate document pages for grouping into one or more documents

- examining the collective table of content set of identified candidate document pages to weed out links which have properties that are not characteristic of intra-document links, to provide a resultant set of identified candidate document pages; and,

- grouping the content found in the resultant set of candidate document pages into a document representation stored in memory for subsequent viewing or printing by a user of the given hyperlinked hyperdocument.

12. (Original) The method of claim 11 wherein the step for analyzing each link further comprises determining a score for each link pairing.
13. (Original) The method of claim 12 wherein the scoring is determined by a proximity criteria.
14. (Original) The method of claim 12 wherein the scoring is determined by a similarity criteria.
15. (Original) The method of claim 12 wherein the scoring is determined by a regularity criteria.